

CLAIMS

What is claimed is:

- 1 1. A method of storing data into a database, the method comprising:
2 a loader application receiving data;
3 determining one or more routines that are associated with a type of said data, wherein
4 said one or more routines are implemented by a program that is external to
5 both said loader application and a database server that manages said database;
6 invoking said one or more routines;
7 in response to said one or more routines being invoked, said program performing
8 steps comprising:
9 creating a data structure that has one or more elements that correspond to one
10 or more attributes of said type; and
11 populating said one or more elements with one or more values that are
12 specified in said data, wherein said one or more values correspond to
13 said one or more attributes;
14 generating, based on said data structure, a data stream that conforms to a format of
15 data blocks of said database; and
16 writing said data into one or more data blocks in said database.
- 1 2. The method of Claim 1, wherein a number of attributes of said type is not defined to
2 said loader application.
- 1 3. The method of Claim 1, wherein a type of an attribute of said type of said data is not
2 defined to said loader application.

- 1 4. The method of Claim 1, wherein said creating, said populating, said generating, and
2 said writing are performed without causing a Structured Query Language (SQL)
3 engine to load said data.
- 1 5. The method of Claim 1, wherein said data structure is created in memory that is
2 associated with said loader application.
- 1 6. The method of Claim 1, wherein said determining comprises locating addresses of
2 one or more routines that are in a same entry of a table as an identity of said type.
- 1 7. The method of Claim 1, further comprising:
2 adding, to a table, an entry that indicates an association between said type and said
3 one or more routines.
- 1 8. The method of Claim 1, wherein said invoking comprises invoking one or more
2 routines that are located at one or more addresses that are associated with said type.
- 1 9. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 1.
- 1 10. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 2.
- 1 11. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 3.

1 12. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 4.

1 13. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 5.

1 14. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 6.

1 15. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 7.

1 16. A computer-readable medium carrying one or more sequences of instructions which,
2 when executed by one or more processors, causes the one or more processors to perform the
3 method recited in Claim 8.